

Hands-On OLE Automation

- Keith R. Pleas
- Independent Developer
- CompuServe: 72331,2150
- Internet:
 kpleas&curlew.wa.com
-
- Code File: OA.ZIP

Objectives

Understand about OLE Automation:

- what it is and how it relates to OLE 2.0**
- how it relates to VBA**
- the object model approach**
- how it's programmed**

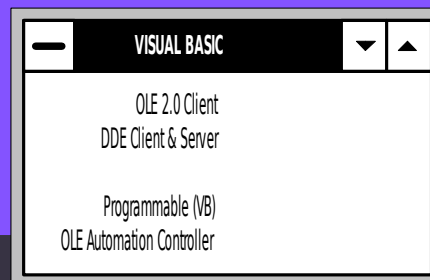
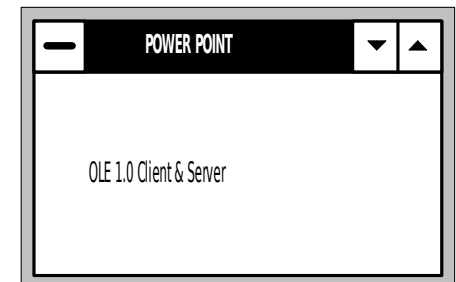
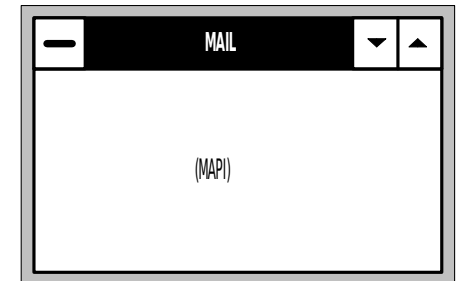
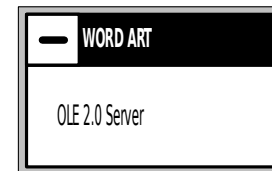
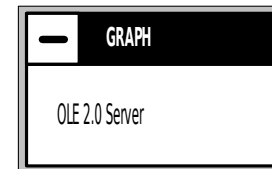
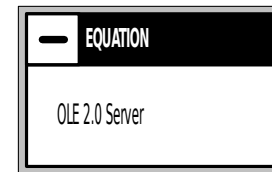
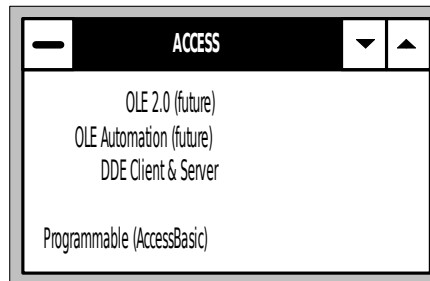
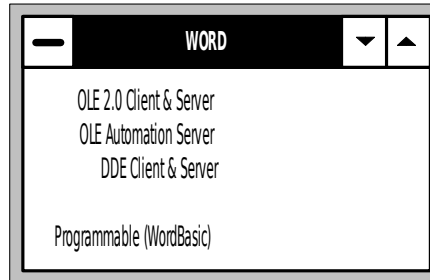
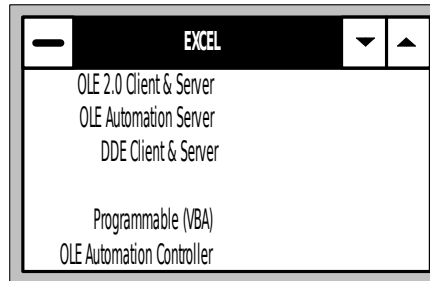
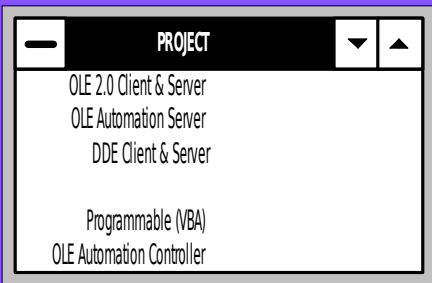
Overview

- **Introduction**
- **Development Strategies**
- **Complex. Powerful. New.**
- **OLE 2.0 versus OLE Automation**

What Does What



Microsoft Office



Object Bogeyman

- ❑ **Object hierarchy**
- ❑ **Properties (e.g. Width, Height, and Name)**
- ❑ **Methods (e.g. Move and Refresh)**
- ❑ **Events to which the controls respond**

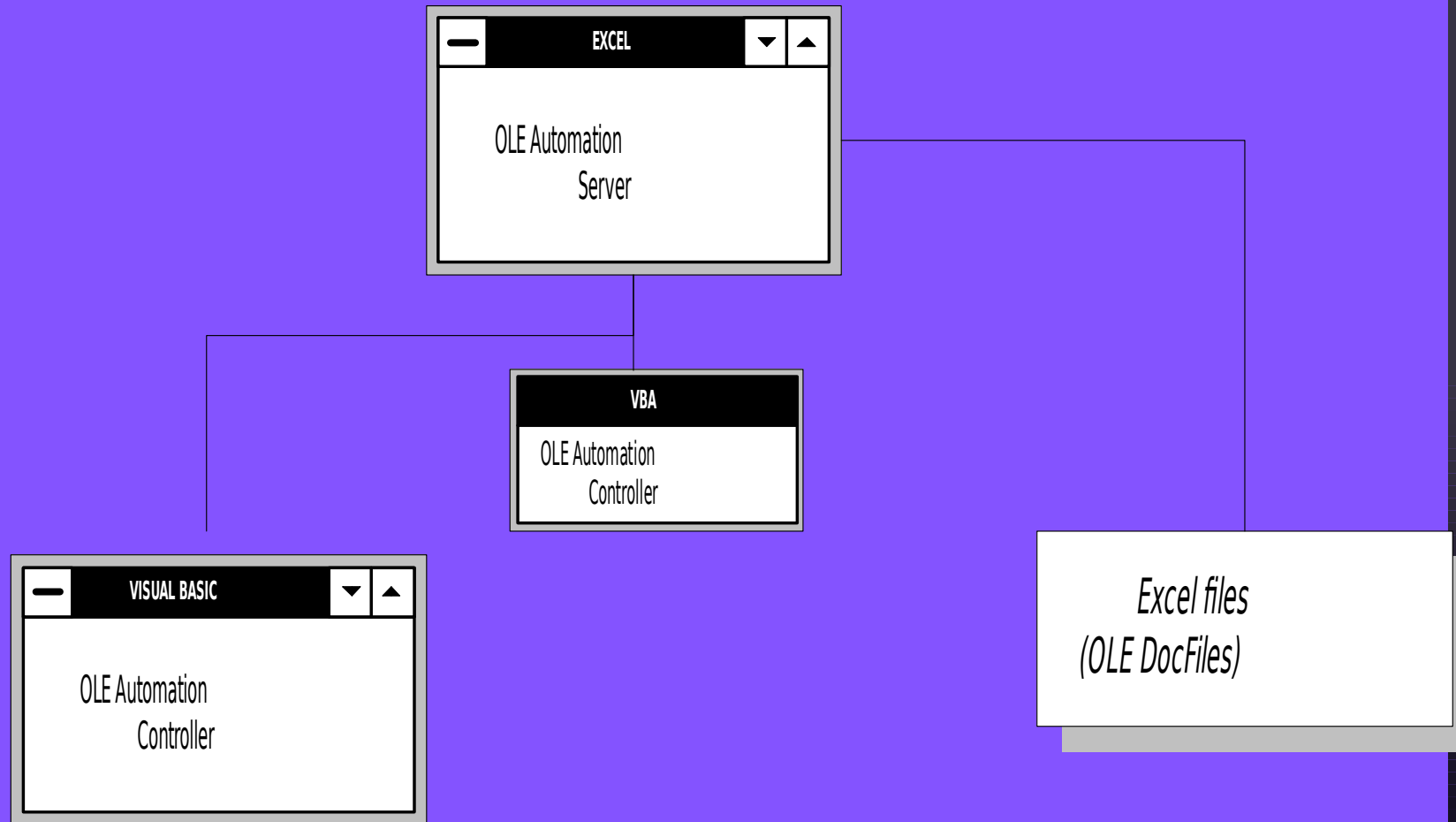
OLE Automation

- **Architecture**
- **Object Classes & Class IDs**
- **Type Libraries & Browsers**
- **Registration Database**
- **Manipulating Objects**

Utilities

- **RegEdit**
- **Windows Process Status (WPS)**
- **DocFile Viewer**
- **Data Object Viewer**
- **Type Library Browser**
- **OLE 2.0 Viewer**

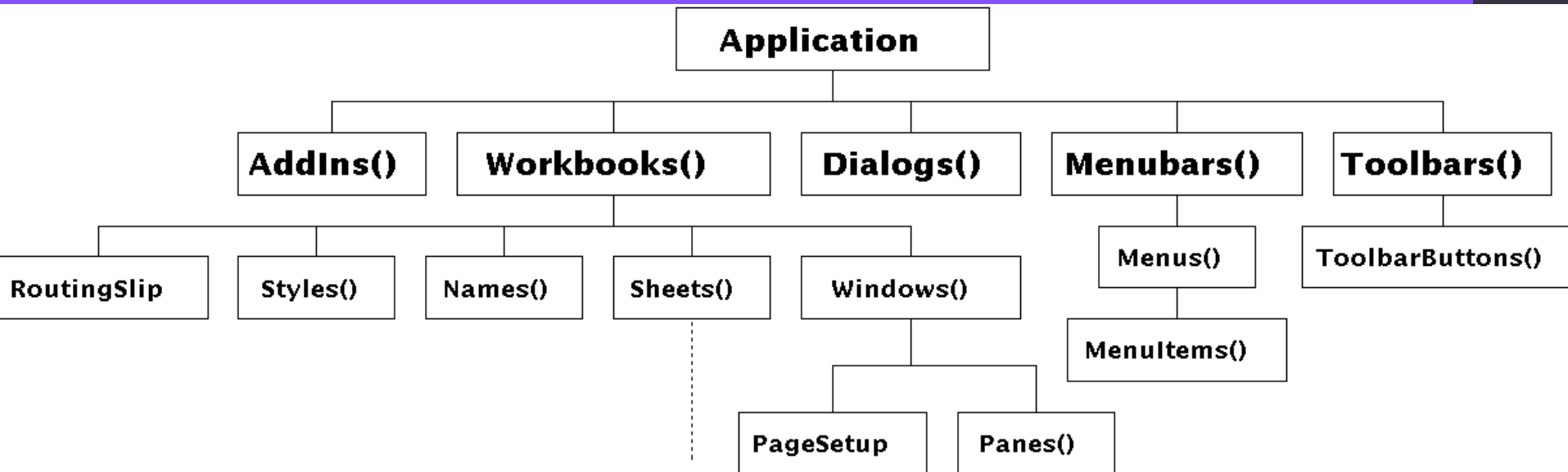
VB / VBA / Excel



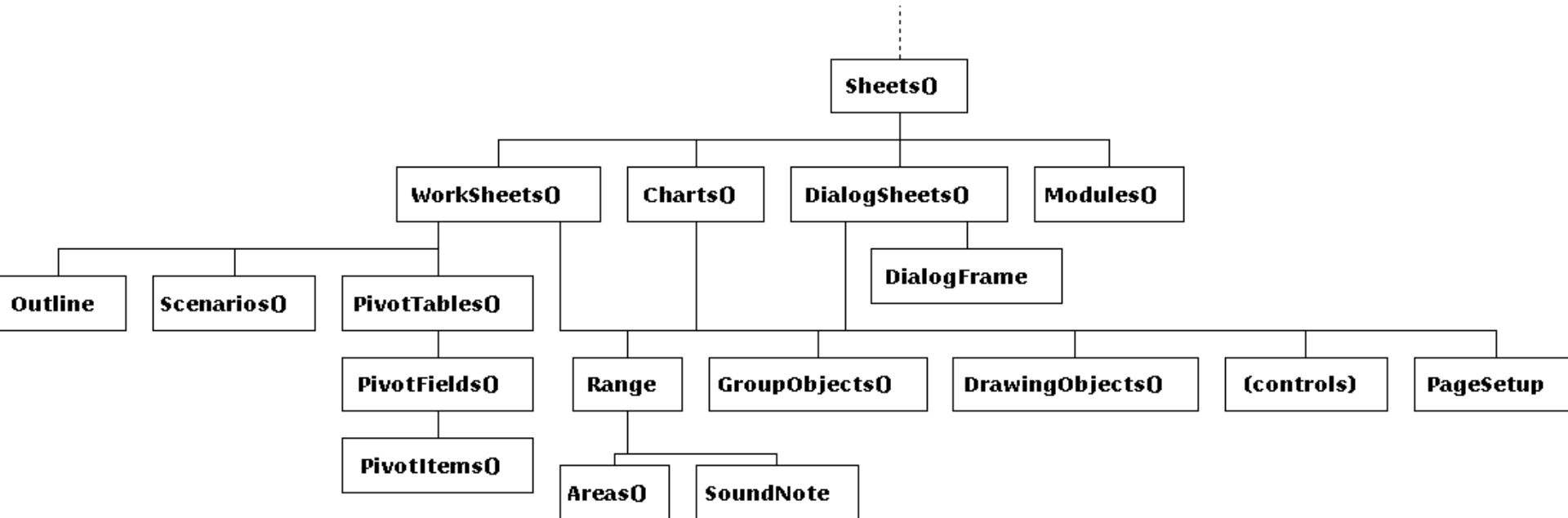
OLE Automation

- **Architecture**
- **Object Classes & Class IDs**
- **Type Libraries & Browsers**
- **Registration Database**
- **Manipulating Objects**

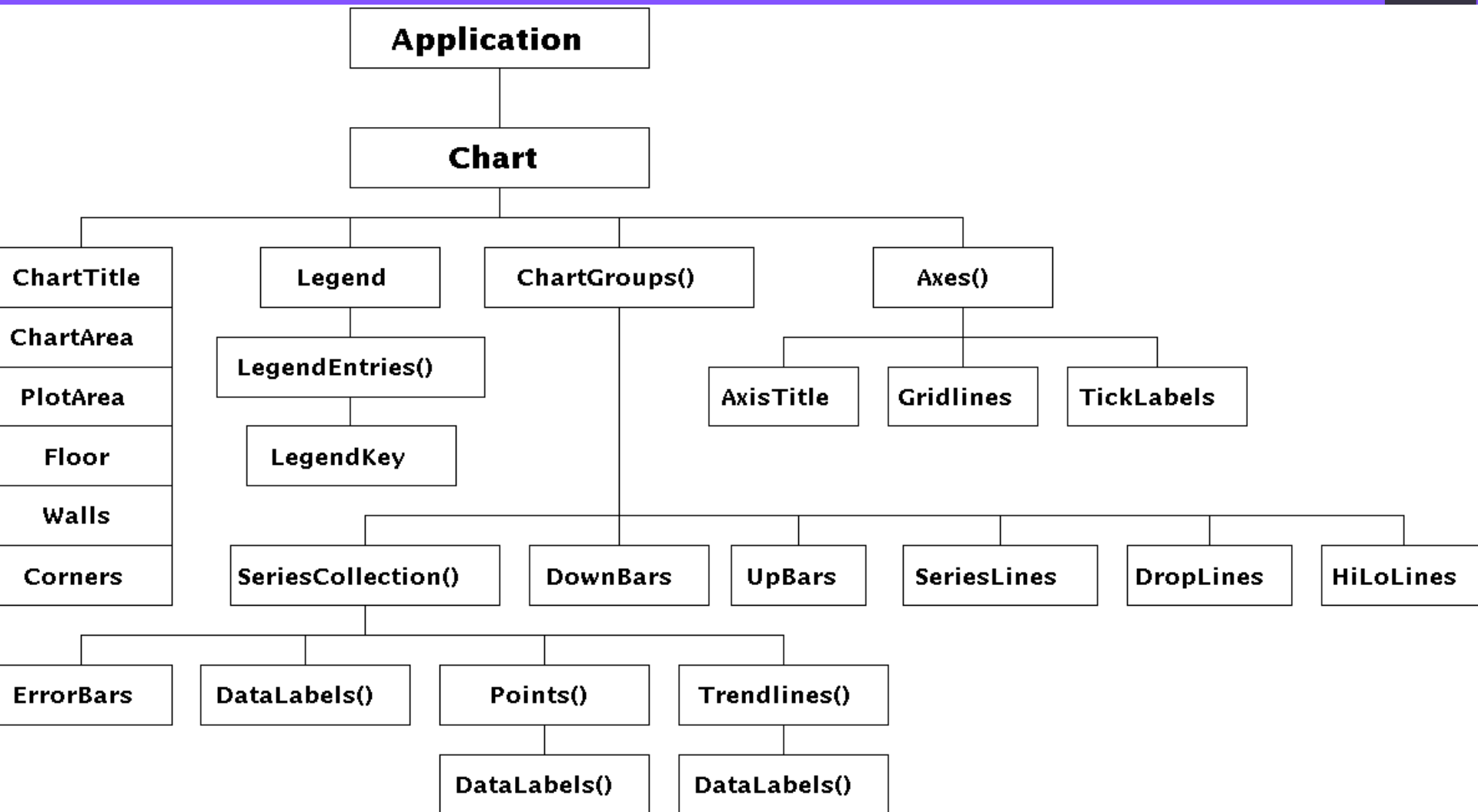
Excel Object Model (Top)



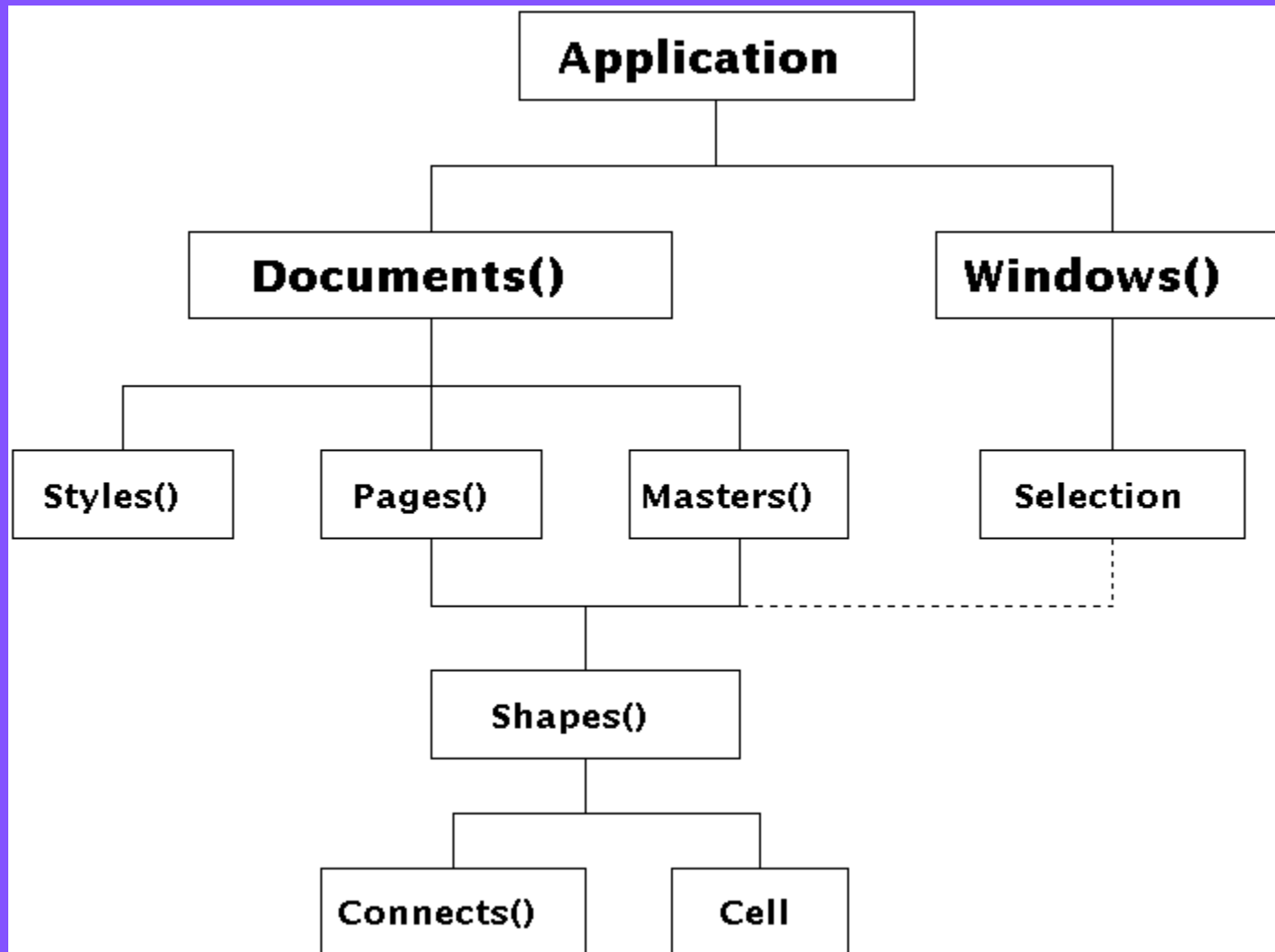
Excel Object Model (Sheet)



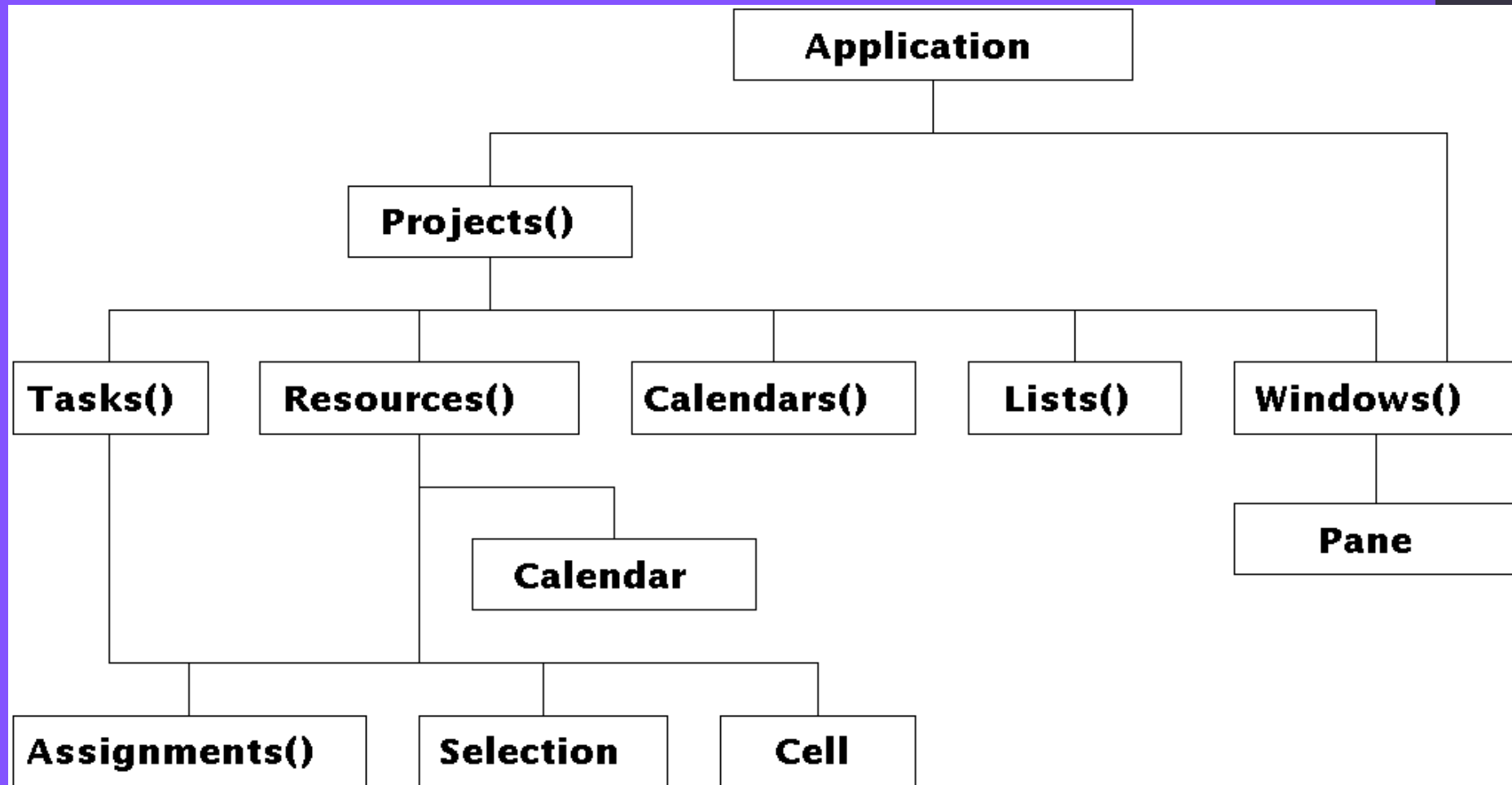
Graph Object Model



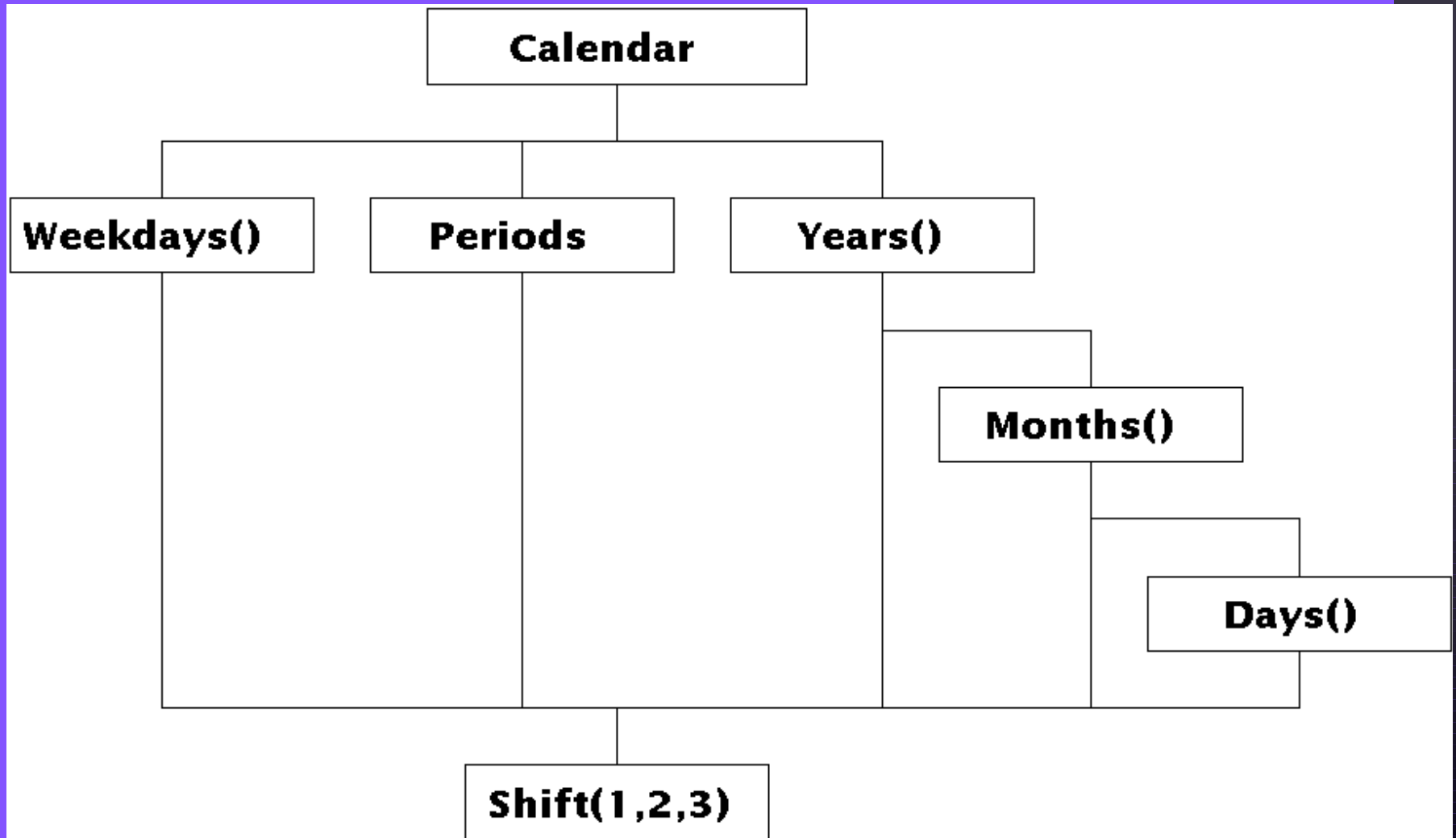
Visio Object Model



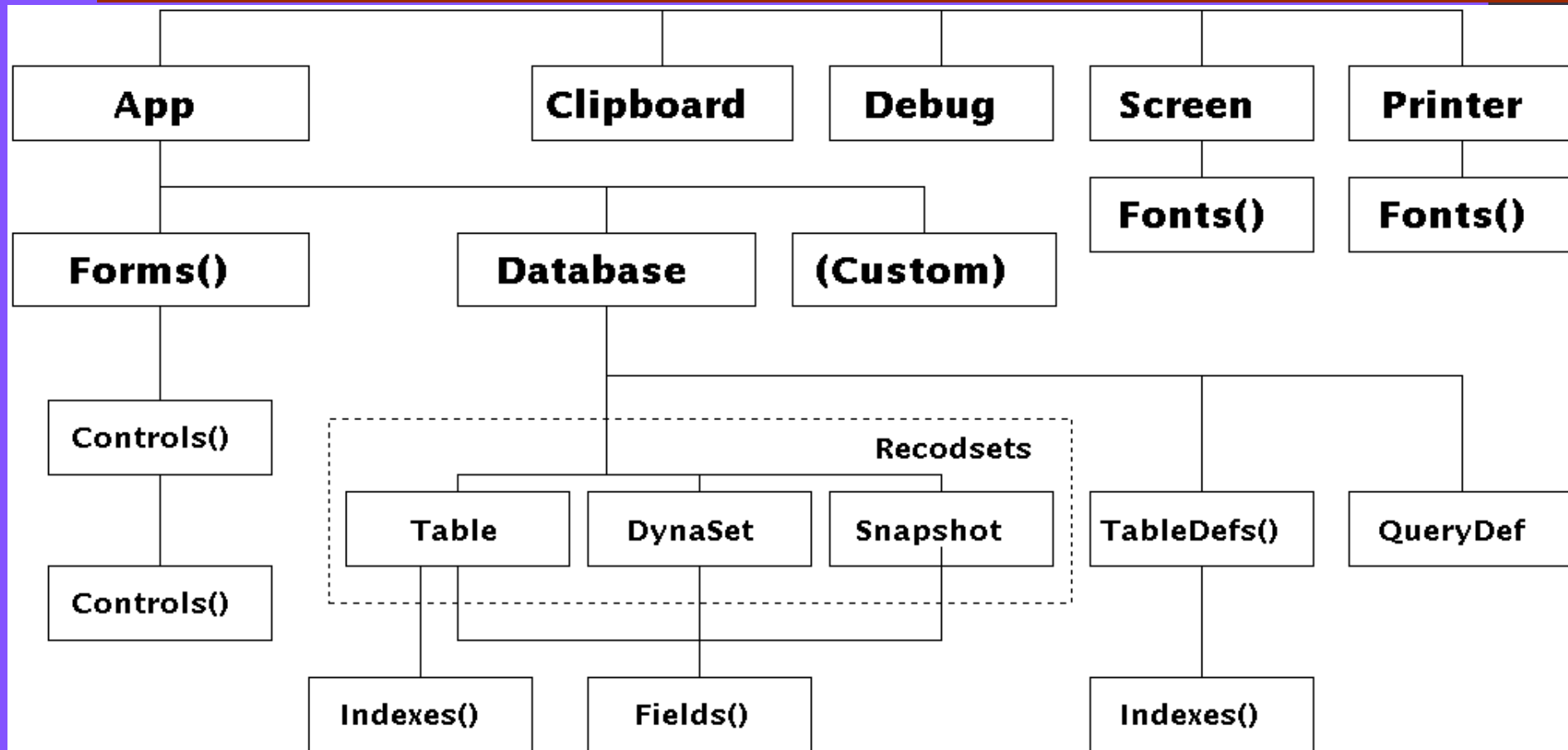
Project Object Model (Top)



Project Object Model (Calendar)



Visual Basic Object Model



Code Samples

- ▣ **VB to Excel**
- ▣ **VB to Word**
- ▣ **VB to Visio**

Summary

- ❑ **Resources**
- ❑ **Network support for objects**
- ❑ **Internationalization built into OLE architecture**
- ❑ **Platforms (Windows, NT, Macintosh (UNIX?))**
- ❑ **Implications & Futures**

Questions?

Conclusion

- ▣ **Additional questions outside**
- ▣ **Thanks for coming**
- ▣ **Fill out evaluation**
- ▣ **Get out of here! :-)**